

DAMAGE SURVEY REPORT (DSR)
Emergency Watershed Protection Program – Recovery

Section 1A

Date of Report: 03/23/2006

DSR Number: 103-05-193K Project Number: Bayou Paquet

NRCS Entry Only

Eligible: YES ☒ NO ☐
Approved: YES ☒ NO ☐
Funding Priority Number (from Section 4) 2e
Limited Resource Area: YES ☐ NO ☒

Section 1B Sponsor Information

Sponsor Name: St. Tammany Parish

Address: P.O. Box 628

City/State/Zip: Covington, LA 70434-0628

Telephone Number: (985) 898-2552

Fax: (985) 898-5205

Section 1C Site Location Information

County: St. Tammany State: LA Congressional District: 01

Latitude: see site maps Longitude: see site maps Section: Township: 8S Range: 14E

UTM Coordinates: 16

Drainage Name: Upper Bayou Paquet Reach: Feet

Damage Description: Debris is reducing the capacity of the Channel. Drainage is severely impeded. Debris consists mostly of trees.

Section 1D Site Evaluation

All answers in this Section must be YES in order to be eligible for EWP assistance.

Site Eligibility	YES	NO	Remarks
Damage was a result of a natural disaster?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Hurricane Katrina - August 29, 2005
Recovery measures would be for runoff retardation or soil erosion prevention?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Threat to life and/or property?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Event caused a sudden impairment in the watershed?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Imminent threat was created by this event?**	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
For structural repairs, not repaired twice within ten years?***	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Site Defensibility			
Economic, environmental, and social documentation adequate to warrant action (Go to pages 3, 4, 5 and 6 ***)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Proposed action technically viable? (Go to Page 9 ***)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Have all the appropriate steps been taken to ensure that all segments of the affected population have been informed of the EWP program and its possible effects? YES ☒ NO ☐

Comments: _____

* Statutory

** Regulation

*** DSR Pages 3 through 5 are required to support the decisions recorded on this summary page. If additional space is needed on this or any other page in this form, add appropriate pages.

Section 1E Proposed Action

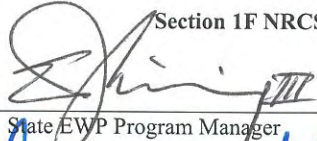
Describe the preferred alternative from Findings: Section 5 A:

Proposed Action- Debris removal with conventional equipment from channel and banks and haul 20 ft. beyond each side. Work one side only where possible. Haul debris to approved disposal area.

Total installation cost identified in this DSR: Section 3: \$ _____

Section 1F NRCS State Office Review and Approval

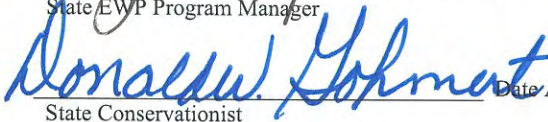
Reviewed By:


State EWP Program Manager

Date Reviewed:

9/12/06

Approved By:


State Conservationist

Date Approved:

9/12/06

PRIVACY ACT AND PUBLIC BURDEN STATEMENT

NOTE: The following statement is made in accordance with the Privacy Act of 1974, (5 U.S.C. 552a) and the Paperwork Reduction Act of 1995, as amended. The authority for requesting the following information is 7 CFR 624 (EWP) and Section 216 of the Flood Control Act of 1950, Public Law 81-516, 33 U.S.C. 701b-1; and Section 403 of the Agricultural Credit Act of 1978, Public Law 95334, as amended by Section 382, of the Federal Agriculture Improvement and Reform Act of 1996, Public Law 104-127, 16 U.S.C. 2203. EWP, through local sponsors, provides emergency measures for runoff retardation and erosion control to areas where a sudden impairment of a watershed threatens life or property. The Secretary of Agriculture has delegated the administration of EWP to the Chief or NRCS on state, tribal and private lands.

Signing this form indicates the sponsor concurs and agrees to provide the regional cost-share to implement the EWP recovery measure(s) determined eligible by NRCS under the terms and conditions of the program authority. Failure to provide a signature will result in the applicant being unable to apply for or receive a grant the applicable program authorities. Once signed by the sponsor, this information may not be provided to other agencies. IRS, Department of Justice, or other State or Federal Law Enforcement agencies, and in response to a court or administrative tribunal.

The provisions of criminal and civil fraud statutes, including 18 U.S.C. 286, 287, 371, 641, 651, 1001; 15 U.S.C. 714m; and 31 U.S.C. 3729 may also be applicable to the information provided. According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0578-0030. The time required to complete this information collection is estimated to average 117/1.96 minutes/hours per response, including the time for reviewing instructions, searching existing data sources, field reviews, gathering, designing, and maintaining the data needed, and completing and reviewing the collection information.

USDA NONDISCRIMINATION STATEMENT

"The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202)720-2600 (voice and TDD). To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, SW., Washington, DC 20250-9410, or call (800)795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

Civil Rights Statement of Assurance

The program or activities conducted under this agreement will be in compliance with the nondiscrimination provisions contained in the Titles VI and VII of the Civil Rights Act of 1964, as amended; the Civil Rights Restoration Act of 1987 (Public Law 100-259); and other nondiscrimination statutes: namely, Section 504 of the Rehabilitation Act of 1973, Title IX of the Amendments of 1972, the Age Discrimination Act of 1975, and the Americans with Disabilities Act of 1990. They will also be in accordance with regulations of the Secretary of Agriculture (7 CFR 15, 15a, and 15b), which provide that no person in the United States shall on the grounds of race, color, national origin, gender, religion, age or disability, be excluded from participation in, be denied the benefits of, or otherwise subjected to discrimination under any program or activity receiving Federal financial assistance from the U.S. Department of Agriculture or any agency thereof.

Section 2 Environmental Evaluation

2A Resource Concerns	2B Existing Condition	2C Alternative Designation		
		Proposed Action	No Action	Alternative
		Debris removal using conventional equipment, work from one side. Chip or haul debris into adjacent timber.	Leave debris in stream	Debris removal from both sides, which has a greater negative environmental impact
		2D Effects of Alternatives		
Soil				
Bank erosion	20 tons/acre - exposed soil from tree falls & uprooting	5 tons/acre - remove debris and allow to revegetate	20 tons/acre - potential damage from debris	5 tons/acre - remove debris and allow to revegetate
Soil quality	Soil quality reduced	Soil Quality improved over time	Soil quality reduced until erosion forms new channel	Soil quality improved over time
Compaction	N/A	slight increase due to equipment use	N/A	N/A
Water				
Downstream water rights	Will not have to drain Bayou to conduct debris removal.	No Effect	No Effect	No Effect
DO	Potential decrease in DO due to excess storm debris	Improved DO through removal of storm debris	Potential decrease in DO due to excess storm debris	Improved DO through removal of excess storm debris
BOD	Raised BOD	Lower BOD allowing vertebrates to exist	Raised BOD	Lower BOD allowing vertebrates to exist
Petroleum products	attainment	Short-term increase during removal	attainment	attainment
Overall Stream Health	SVAP = 7.62 - Good	SVAP = 7.62 - Good	SVAP = 7.62 - Good	SVAP = 7.62 - Good
Air				
Particulate matter/dust	no effect	slight increase during debris removal	no effect	moderate increase during debris removal
Toxic Gases	H2S released as vegetation decomposes in anaerobic state	Flowing water maintains higher dissolved O2 level.	H2S released as vegetation decomposes in anaerobic state	Flowing water maintains higher dissolved O2 level.
Plant				
Aquatic health/vigor	Poor - low water quality	Increase function with improved water quality	Poor - low water quality	Increase function with improved water quality
Riparian plant habitat	Fallen trees causing breakage to saplings, invasives estab.	Improved sapling and hydrophyte growth with sun	Increase over time as logs decay.	Improved sapling and hydrophyte growth with sun
Animal				
Aquatic habitat	Impaired due to blockage	Restore hydrologic flow regime by removing Katrina debris only	Fish access restricted	Restore hydrologic flow regime by removing Katrina debris only
Forest habitat	Reduced riparian food/cover habitat	Improve riparian food/cover habitat	Reduced riparian food/cover habitat	Improve riparian food/cover habitat
Other				
Aesthetics	Poor due to clutter and trash collection in stream flow	Improved view of stream	Poor due to clutter	Improved by removing clutter

Section 2E Special Environmental Concerns

Resource Consideration	Existing Condition	Alternatives and Effects		
		Proposed Action	No Action	Alternative
Clean Water Act Waters of the U.S.	CWA jurisdiction - debris in channel affects water flow and water quality	CWA permit required - improve water quality and restore hydrology	Continued decrease in water quality w/ debris decomposition and altered hydrology	CWA permit required - improve water quality and restore hydrology
Coastal Zone Management Areas	Water flow patterns altered	Water flow patterns restored w/ minimal adverse impacts. CMD Consistency Authoriz. needed	Water flow patterns altered;	Water flow patterns restored w/ minimal adverse impacts. Consistency Authoriz. needed
Coral Reefs	N/A	N/A	N/A	N/A
Cultural Resources	(FOTG) none observed on-site	(FOTG) none observed on-site	(FOTG) none observed on-site	(FOTG) none observed on-site
Endangered and Threatened Species	8 Federal T&E species listed for Parish in FOTG. 2 Possible and 6 unknown.	FWS consultation needed	N/A	FWS consultation needed
Environmental Justice	N/A	N/A	N/A	N/A
Essential Fish Habitat	(FOTG) No EFH - reference NOAA	(FOTG) No EFH	(FOTG) No EFH	(FOTG) No EFH
Fish and Wildlife Coordination	State level review by project type with USFWS&LDWF; Consultation not required for debris removal.	State level review by project type with USFWS&LDWF; Consultation not required.	State level review by project type with USFWS&LDWF; Consultation not required.	State level review by project type with USFWS&LDWF; Consultation not required.
Floodplain Management	Bayou and adjacent drains are located within 100-year flood plain. Debris in channels are increasing flood potential.	100-year floodplain historic range restored.	100-year floodplain is increased in size due to debris.	100-year floodplain historic range restored.
Invasive Species	Chinese privet, tallow tree, hydrilla and climbing fern in floodplain and stream channel.	Disturbing vegetation during access or debris removal may increase chances of spread	Chinese privet, tallow tree, hydrilla and climbing fern in floodplain and stream channel	Disturbing vegetation during access or debris removal may increase chances of spread
Migratory Birds	Quality of available food and cover reduced due to Katrina	Proposed action will not have a significant adverse effect on habitat. Food and cover quality improved	Excess debris contributes to increased flooding and decreased habitat quality	No adverse effect on habitat during removal. Food and cover quality improved
Natural Areas	(FOTG) None present	(FOTG) None present	(FOTG) None present	(FOTG) None present
Prime and Unique Farmlands	(FOTG) None present	N/A	N/A	N/A
Riparian Areas	Riparian habitat impacted by extended flooding due to debris accumulation	Riparian habitat improved by debris removal allowing natural functions.	Riparian habitat impacted by flooding due to debris accumulation	Riparian habitat improved by debris removal
Scenic Beauty	(FOTG) None present - no designated areas of Scenic Beauty within project area	N/A	N/A	N/A
Wetlands	Artificial depression and forested emergent wetlands present.	Large diameter debris removed from streambed. Wetlands not adversely impacted.	Stream cluttered w/ debris. Emergent/forested wetlands littered with debris.	Debris removed from open water and adjacent to stream. Wetlands not adversely impact
Wild and Scenic Rivers	(FOTG) (LDWF scenic streams list) Not listed	(FOTG) (LDWF scenic streams list) Not listed	(FOTG) (LDWF scenic streams list) Not listed	(FOTG) (LDWF scenic streams list) Not listed

Completed By: Rodney O'ClairDate: 03/23/2006

DSR NO: 103-05-193K

Section 2F Economic

This section must be completed by each alternative considered (attach additional sheets as necessary).

	Future Damages (\$)	Damage Factor (%)	Near Term Damage Reduction
Properties Protected (Private)			
19 Houses @ \$160,000 per House	3,040,000.00	25	760,000.00
Properties Protected (Public)			
Business Losses			
Other			
Total Near Term Damage Reduction \$			760,000.00
Net Benefit (Total Near Term Damage Reduction minus Cost from Section 3)			.

Completed By: AB

Date: 03/23/2006

Section 2G Social Consideration This section must be completed by each alternative considered

(attach additional sheets as necessary).

	YES	NO	Remarks
Has there been a loss of life as a result of the watershed impairment?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not in the immediate area but several deaths attributable to the storm occurred in the Parish
Is there the potential for loss of life due to damages from the watershed impairment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Has access to a hospital or medical facility been impaired by watershed impairment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Yes - many downed trees blocking access
Has the community as a whole been adversely impacted by the watershed impairment (life and property ceases to operate in a normal capacity)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Impairment increased flooding impacts throughout the community
Is there a lack or has there been a reduction of public safety due to watershed impairment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Completed By: AB Date: 03/23/2006

DSR NO: _____
103-05-193K

Section 2H Group Representation and Disability Information

This section is completed only for the preferred alternative selected.

Group Representation	Number
American Indian/Alaska Native Female Hispanic	
American Indian/Alaska Native Female Non-Hispanic	
American Indian/Alaska Native Male Hispanic	
American Indian/Alaska Native Male Non-Hispanic	
Asian Female Hispanic	
Asian Female Non-Hispanic	
Asian Male Hispanic	
Asian Male Non-Hispanic	
Black or African American Female Hispanic	
Black or African American Female Non-Hispanic	2
Black or African American Male Hispanic	
Black or African American Male Non-Hispanic	2
Hawaiian Native/Pacific Islander Female Hispanic	
Hawaiian Native/Pacific Islander Female Non-Hispanic	
Hawaiian Native/Pacific Islander Male Hispanic	
Hawaiian Native/Pacific Islander Male Non-Hispanic	
White Female Hispanic	
White Female Non-Hispanic	31
White Male Hispanic	
White Male Non-Hispanic	31
Total Group	66

Census tract(s) T041204, BG1, T041103, BG2,

Completed By: AB Date: 03/23/2006

Section 2I. Required consultation or coordination between the lead agency and/or the RFO and another governmental unit including tribes:

Easements, permissions, or permits:

Access permission will be required.
LDEQ - Water Quality Certification
USACE - CWA Permit
LDNR-CMD Consistency Authorization

Mitigation Description:

Access debris from only one side of channel to prevent damage to adjacent riparian zone. Work should be conducted from open side of channel whenever possible. Debris within 20 feet of channel shall be removed. Only Katrina related debris shall be removed. Care will be taken to not damage live trees of 5" DBH, especially hardwoods like oak species.

Debris will be disposed of off-site in an approved landfill or chipped and blown 20 feet from channel edge to minimize impacts to adjacent riparian areas. Action will be completed without interruption to minimize impacts to fish habitat within stream, wildlife, and nearby residents. Little earth as possible will be disturbed during removal of tipped and uprooted trees.

Agencies, persons, and references consulted, or to be consulted:

U.S. Army Corps of Engineers
St. Tammany Parish Government
Louisiana Department of Wildlife and Fisheries
Louisiana Department of Environmental Quality
Louisiana Department of Natural Resources

Section 4 NRCS EWP Funding Priority

Complete the following section to compute the funding priority for the recovery measures in this application (see instructions on page 10).

Priority Ranking Criteria	Yes	No		Ranking Number Plus Modifier
1. Is this an exigency situation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>		2 e
2. Is this a site where there is serious, but not immediate threat to human life?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
3. Is this a site where buildings, utilities, or other important infrastructure components are threatened?	<input type="checkbox"/>	<input type="checkbox"/>		
4. Is this site a funding priority established by the NRCS Chief?	<input type="checkbox"/>	<input type="checkbox"/>		
The following are modifiers for the above criteria			Modifier	
a. Will the proposed action or alternatives protect or conserve federally-listed threatened and endangered species or critical habitat?				
b. Will the proposed action or alternatives protect or conserve cultural sites listed on the National Register of Historic Places?				
c. Will the proposed action or alternatives protect or conserve prime or important farmland?				
d. Will the proposed action or alternatives protect or conserve existing wetlands?				
a. Will the proposed action or alternatives maintain or improve current water quality conditions?			e	
f. Will the proposed action or alternatives protect or conserve unique habitat, including but not limited to, areas inhabited by State-listed species, fish and wildlife management area, or State identified sensitive habitats?				

Enter priority computation in Section 1A, NRCS Entry, Funding priority number.

Remarks:

DSR NO: 103-05-193K

Section 5A Findings

Finding: Indicate the preferred alternative from Section 2 (Enter to Section 1E):

Proposed Action- Debris removal with conventional equipment from channel and banks and haul 20 ft. beyond each side. Work one side only where possible. Haul debris to approved disposal area.

I have considered the effects of the action and the alternatives on the Environmental Economic, Social; the Special Environmental Concerns; and the extraordinary circumstances (40 CFR 1508.27). I find for the reasons stated below, that the preferred alternative:

☒ Has been sufficiently analyzed in the EWP PEIS (reference all that apply)
Chapter 5.2.2.1.2
Chapter _____
Chapter _____
Chapter _____
Chapter _____

_____ May require the preparation of an environmental assessment or environmental impact statement.
The action will be referred to the NRCS State Office on this date:

NRCS representative of the DSR team

Title: District Conservationist

Date: 03/23/2006

Section 5B Comments:

Section 5C

Sponsor Concurrence:

Sponsor Representative

Title: GMV, Spet.

Date: 5-16-06

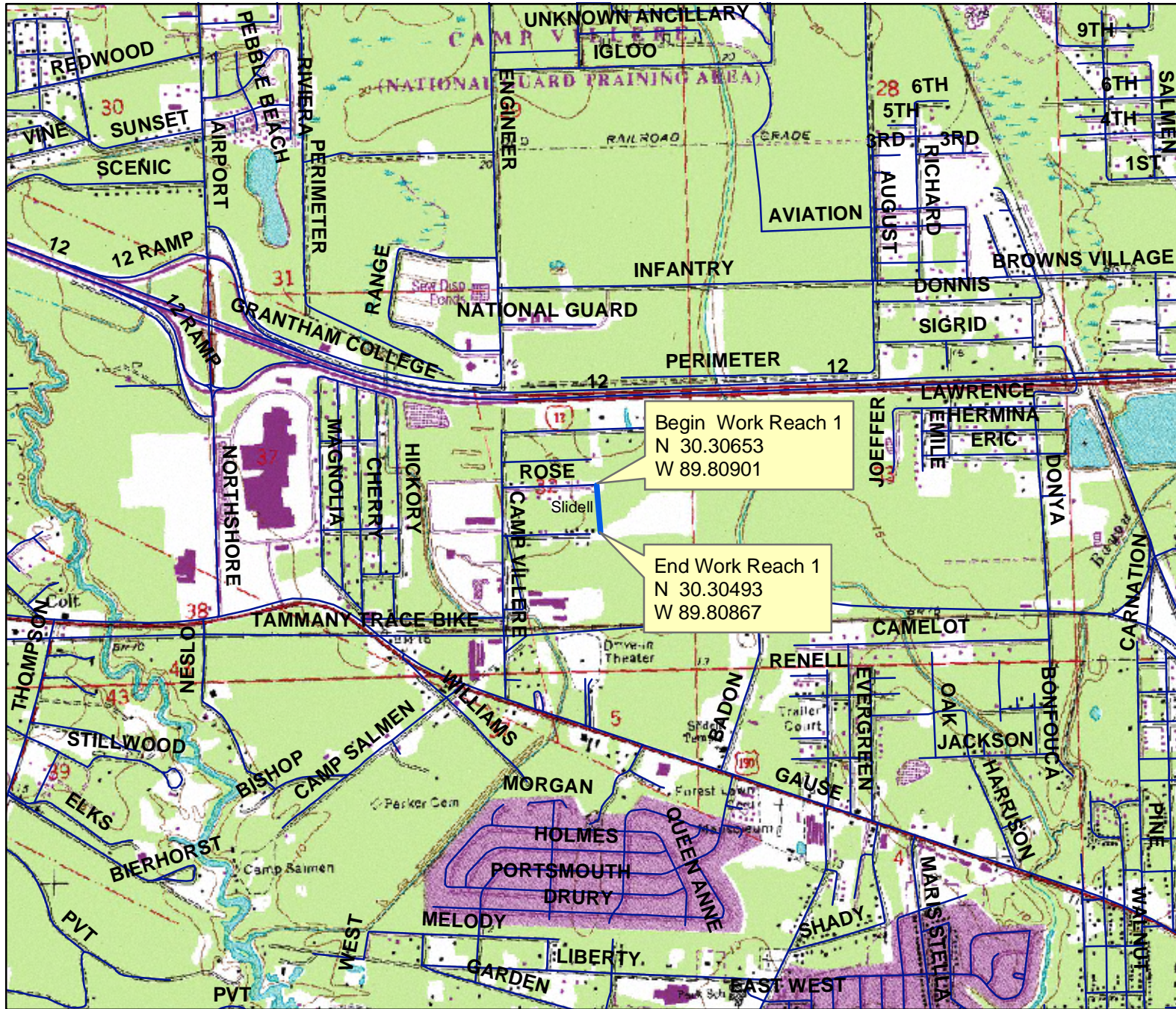
Section 6 Attachments:

- A. Location Map
- B. Site Plan or Sketches
- C. Other (explain)

TOPO MAP OF UPPER BAYOU PAQUET

DSR 103-05-193K

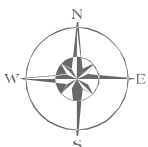
ST. TAMMANY PARISH



Legend

— Reach 1

Topo Quad Slidell
Section: 32
Township 8S
Range 14E

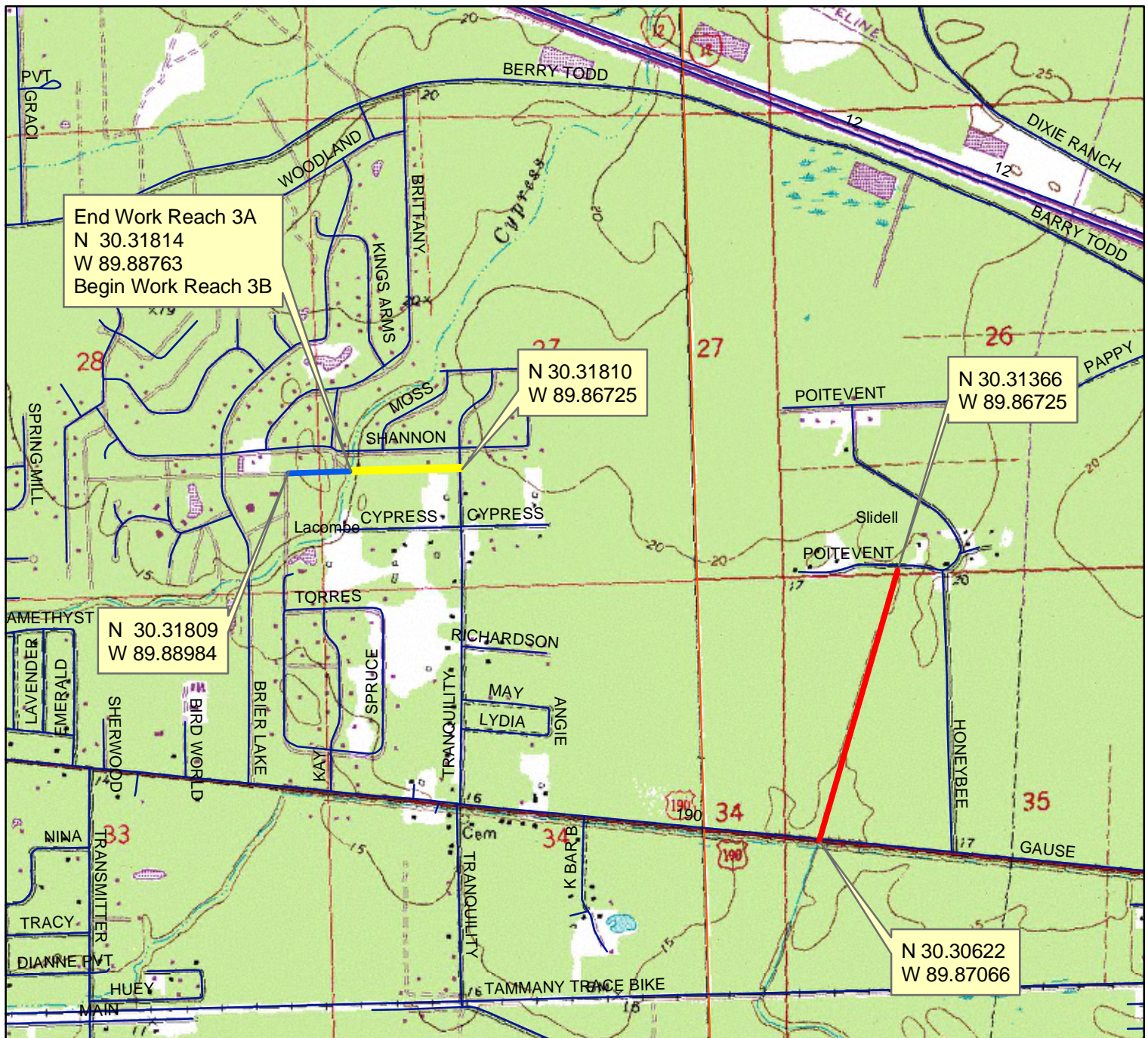


0 1,700 3,400 6,800 Feet

TOPO MAP 2 OF UPPER BAYOU PAQUET

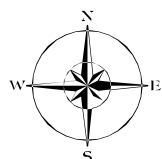
DSR 103-05-193K

ST. TAMMANY PARISH



Legend

- Reach 3b
- Reach 3a
- Reach 2



Topo Quad Lacombe, Slidell
Section: 27, 28; 35
Township 8S
Range 13E

0 1,750 3,500 7,000 Feet